



35L6-GT

BEAM POWER AMPLIFIER

35L6-GT

GENERAL DATA

Electrical:

Heater, for Unipotential Cathode:

Voltage. 35 ac or dc volts
Current. 0.15 amp

Direct Interelectrode Capacitances (Approx.):^o

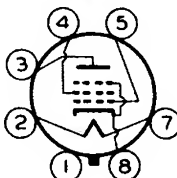
Grid No.1 to Plate 0.8 μf
Input. 13 μf
Output 9.5 μf

^o With no external shield.

Mechanical:

Mounting Position. Any
Maximum Overall Length 3-5/16"
Maximum Seated Length. 2-3/4"
Maximum Diameter 1-5/16"
Bulb T-9
Base Intermediate-Shell Octal 7-Pin
Basing Designation for BOTTOM VIEW G-7AC

Pin 1 - No
Connection
Pin 2 - Heater
Pin 3 - Plate
Pin 4 - Grid No.2



Pin 5 - Grid No.1
Pin 7 - Heater
Pin 8 - Cathode,
Grid No.3

AF POWER AMPLIFIER - Class A₁

Maximum Ratings, Design-Center Values:

PLATE VOLTAGE. 200 max. volts
GRID-No.2 (SCREEN) VOLTAGE 117 max. volts
PLATE DISSIPATION. 8.5 max. watts
GRID-No.2 DISSIPATION. 1.0 max. watt
PEAK HEATER-CATHODE VOLTAGE:
Heater negative with respect to cathode 90 max. volts
Heater positive with respect to cathode 90 max. volts

Typical Operation and Characteristics:

Plate Voltage.	110	200	. . .	volts
Grid-No.2 Voltage	110	110	. . .	volts
Grid-No.1 (Control-Grid) Voltage	-7.5	-8	. . .	volts
Peak AF Grid-No.1 Voltage.	7.5	8	. . .	volts
Zero-Signal Plate Current.	40	41	. . .	ma.
Max.-Signal Plate Current.	41	44	. . .	ma.
Zero-Signal Grid-No.2 Current.	3	2	. . .	ma.
Max.-Signal Grid-No.2 Current.	7	7	. . .	ma.
Plate Resistance (Approx.)	14000	40000	. . .	ohms
Transconductance	5800	5900	. . .	μmhos
Load Resistance.	2500	4500	. . .	ohms
Total Harmonic Distortion.	10	10	. . .	%
Max.-Sig. Power Output	1.5	3.3	. . .	watts

JUNE 20, 1947

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DATA

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Maximum Circuit Values (for maximum rated conditions):

Grid-No. 1-Circuit Resistance:

For fixed bias	0.1 . . megohm
For cathode bias	0.5 . . megohm

Curves shown under Type 35B5 are also applicable
to the 35L6-GT.

JUNE 20, 1947

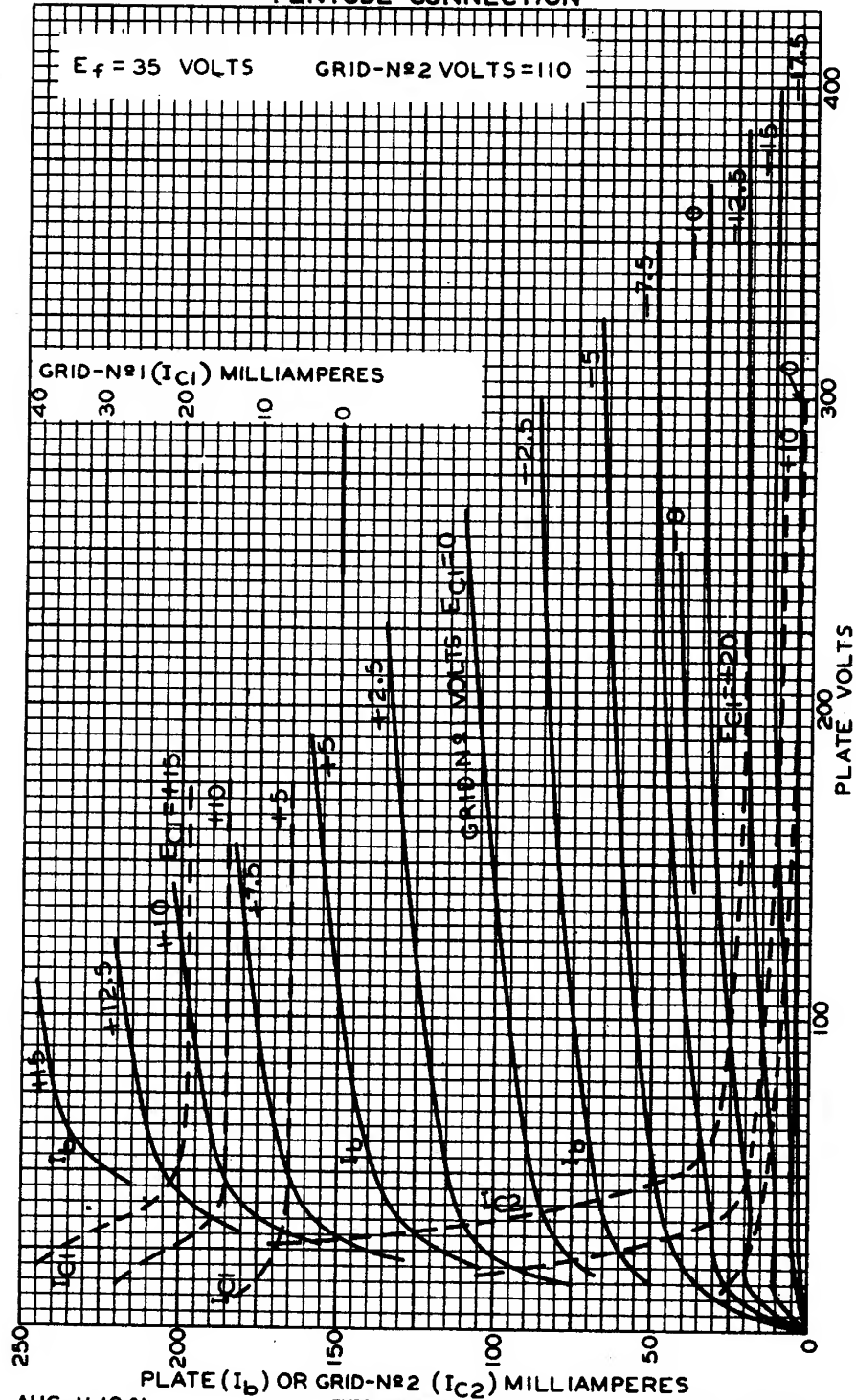
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DATA



35L6-GT

AVERAGE PLATE CHARACTERISTICS
PENTODE CONNECTION



AUG. 11, 1941

TUBE DEPARTMENT

92CM-6309

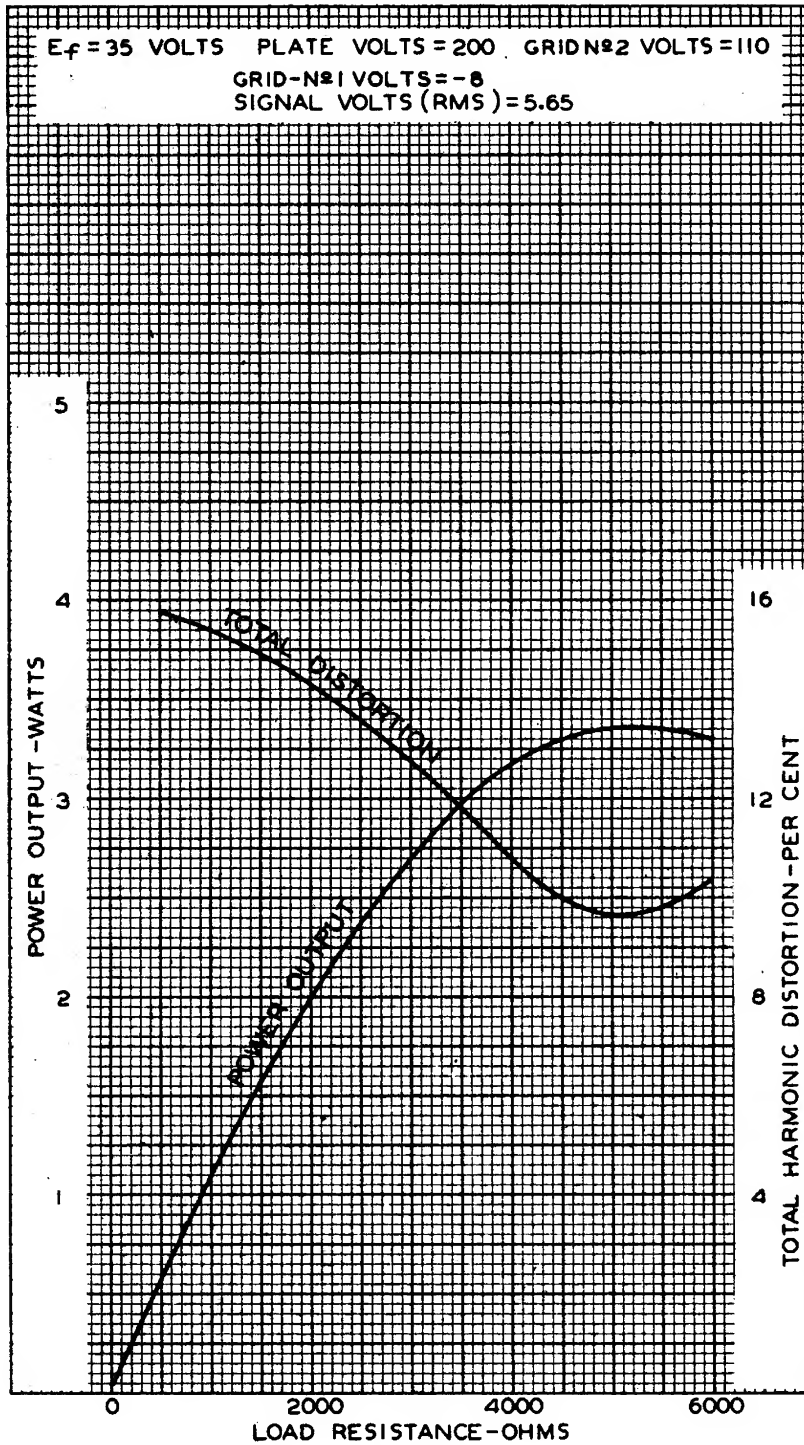
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35L6-GT



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OPERATION CHARACTERISTICS



AUG. 21, 1941

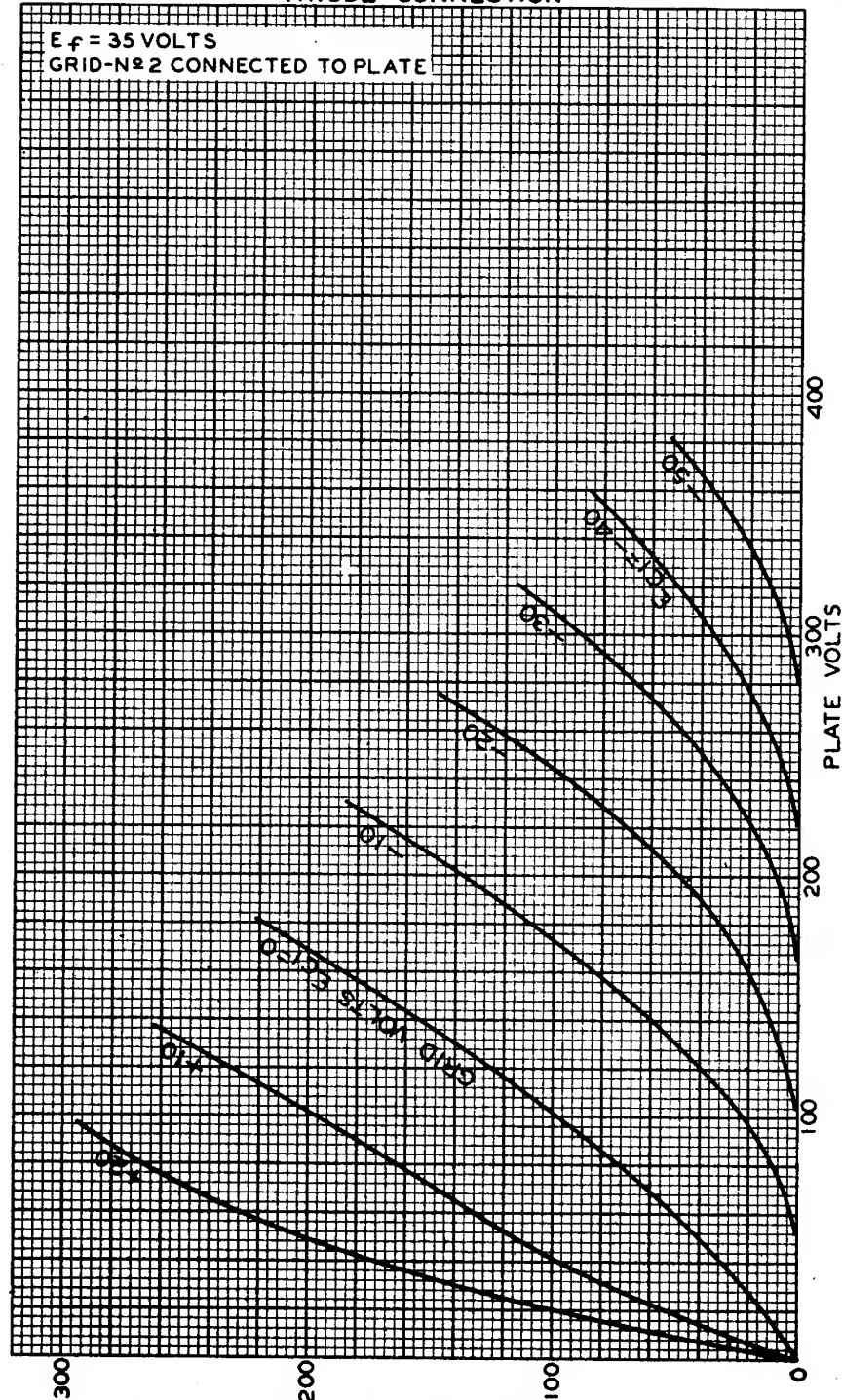
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92CM - 6315



35L6-GT

AVERAGE PLATE CHARACTERISTICS TRIODE CONNECTION



AUG. 6, 1941

PLATE MILLIAMPERES
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